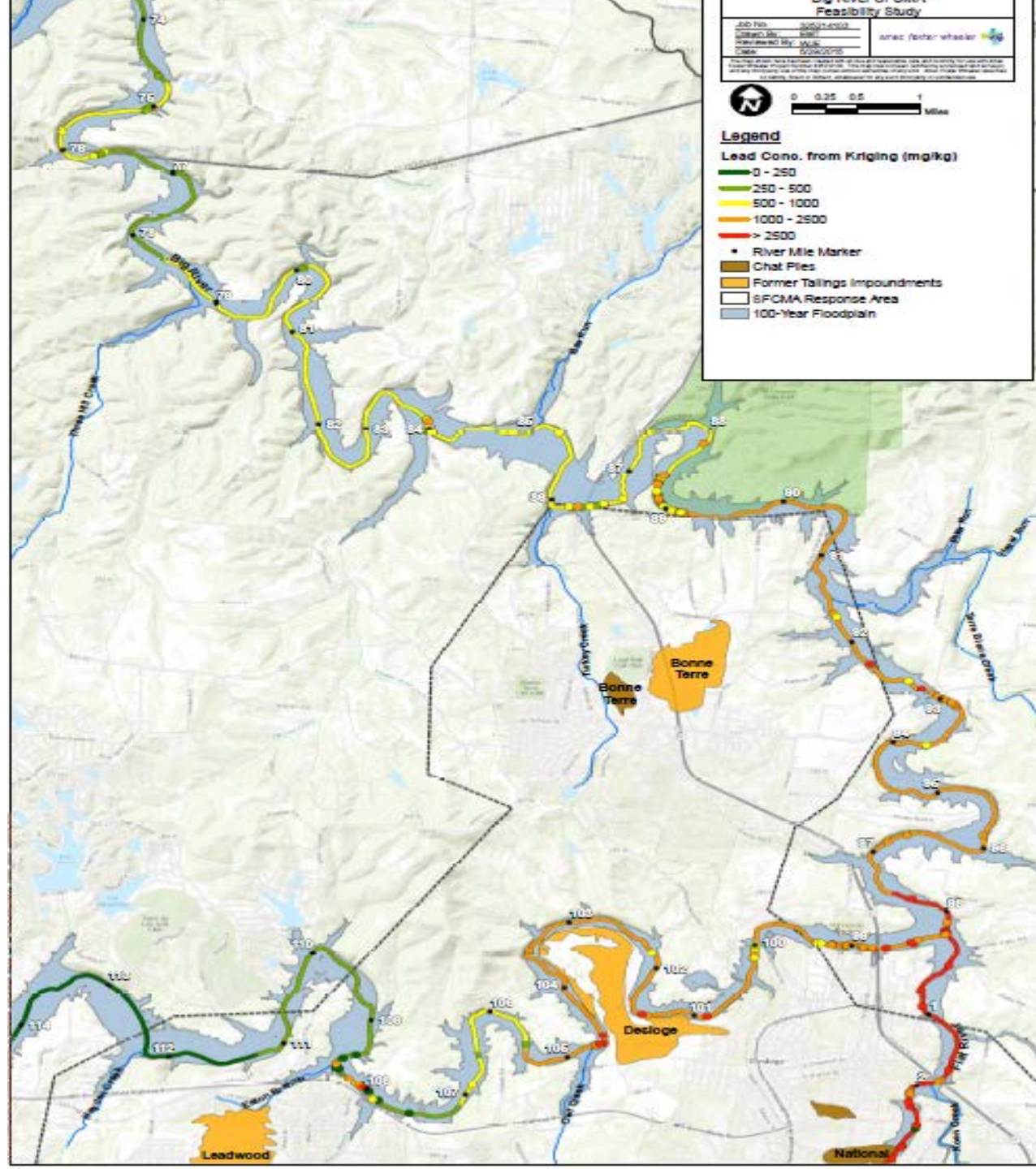
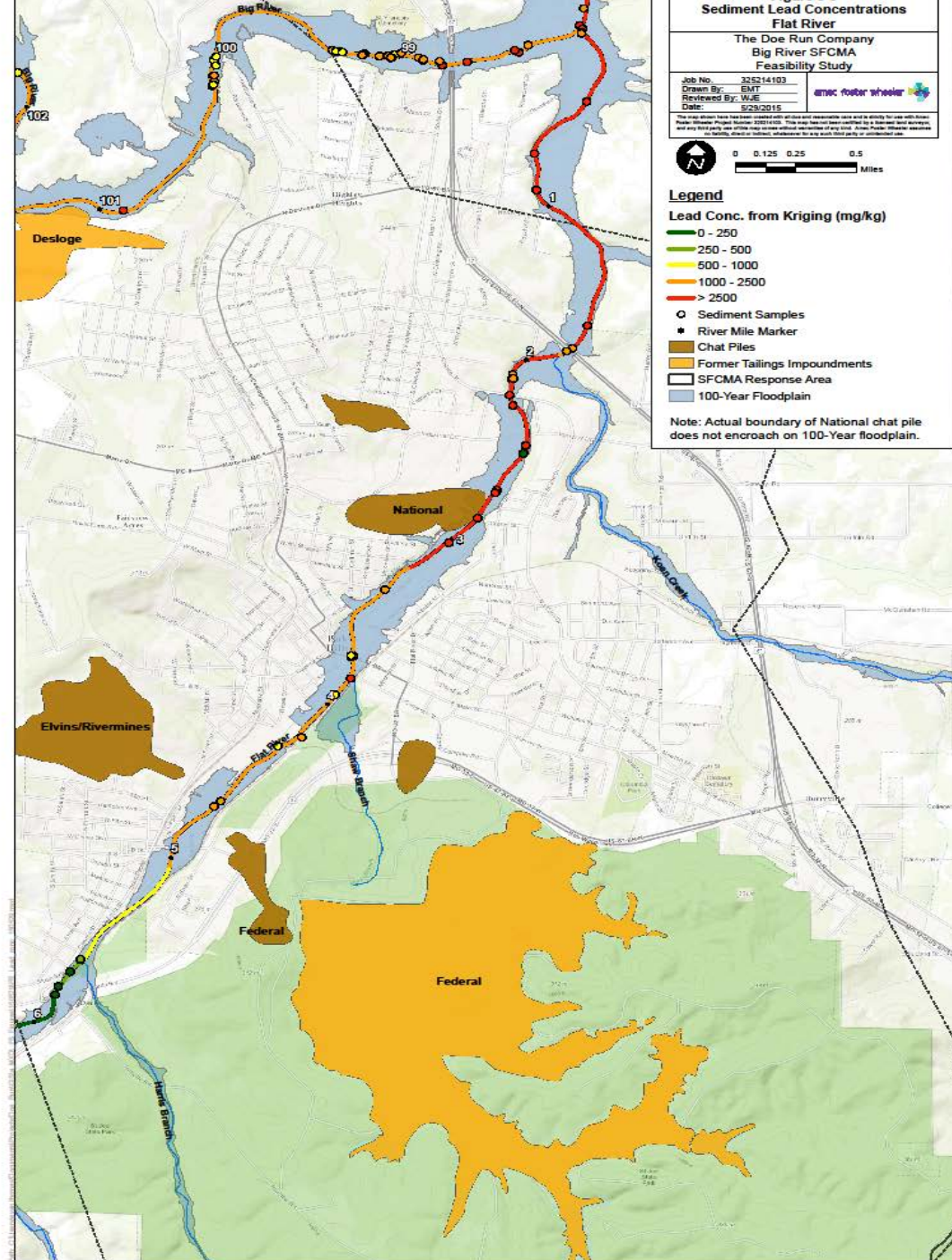


Plan moving forward for BR  
OU-2 FS

# General Approach

- Address Big River Floodplain in the upper reaches, using an interim approach to focus on the residual impacts near the source areas first.
- This would include Big River from reach 109 to 98 (Leadwood to the confluence with Flat River).
- Flat River from reach 6 to 0 (Elvins to the confluence with Big River)
- Monitor sediment/surface water for up to 3 years after initial action to determine if future actions are required for these reaches and further downstream.







# Specific items that will be screened for these reaches

- Floodplain and bank stabilization in areas that are identified as unstable.
  - Requires additional assessment/sampling
- Focused removal/stabilization in areas that are considered “time critical”. This is based on the toxicity data from PRP, where it shows that anything in the 800-1000ppm range has a significant negative impact on Hyallela survival.
- Operation of existing trap located at Big River/Flat River Confluence
- Installation/operation of two additional traps to help slow the movement of bed lead sediment to downstream locations.
  - One located downstream of Leadwood at the Bonehole low-head dam. Estimate of 63,000 cy of bedload sediment in this reach.
  - One located either at St. Francois State Park (below 5 source areas) or near Mill Creek confluence (below 6 source areas). This will be determined by site visit with Respondent, DNR and USACE.

# Screening alternatives cont.

- Focused sediment removal in Flat River
- Focused floodplain removal/stabilization in Flat River
- Monitor traps after significant flood events to determine path forward
  - Continue to clean out traps after significant rainfall. Use the Desloge stream gage to assist
  - If traps start to accumulate clean material, remediation of the traps will stop.
  - Future actions could be based on more sensitive toxicity assessment endpoints (growth and reproduction of *Hyallela*).